

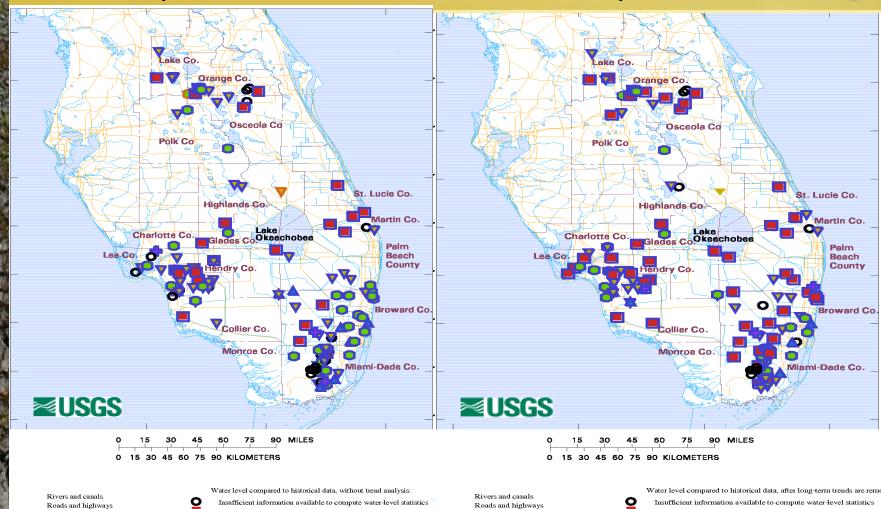
Water Shortage Planning Update

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South Florida Water Management District
January 13, 2011



Groundwater Levels

Nov. 30, 2010 Jan. 5, 2011



County boundaries

Telemetry site

Water levels at selected sites in South Florida, Based on PROVISIONAL DATA, as of November 30, 2010.

County boundaries

Telemetry site

In lowest 10 percent of past water elevations

In highest 10 percent of past water elevations

Within lowest 10 to 30 percent of past water elevations

Within 20 percent of the median of past water elevations Within highest 10 to 30 percent of past water elevations

Water levels at selected sites in South Florida,
Based on PROVISIONAL DATA, as of January 5, 2011.

In lowest 10 percent of past water elevations

In highest 10 percent of past water elevations

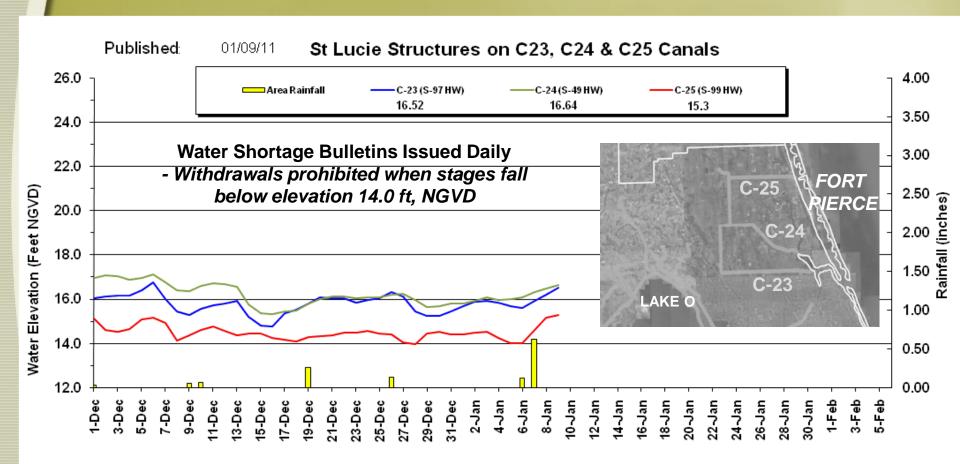
Within lowest 10 to 30 percent of past water elevations

Within 20 percent of the median of past water elevations

Within highest 10 to 30 percent of past water elevations

St. Lucie County Canals







What's Ahead for Water Supply?



Below normal rainfall predicted due to strong La Niña **Extremely dry** tributary conditions and net inflow forecasts for Lake Okeechobee Increased likelihood that Lake Okeechobee stage will decline to the Water Shortage Management Band in February 2011

SFWMD Water Supply Risk Evaluation (Jan 4, 2010)

Area	Indicator	Value	Color Coded Scoring Scheme
LOK	Projected LOK Stage for the next two months	Beneficial Use Sub-Band	Н
	Palmer Index for LOK Tributary Conditions	-2.11 (Extrremely Dry)	Н
	CPC Precipitation Outlook	1 month: Below Normal 3 months: Below Normal	Н
	LOK Seasonal Net Inflow Forecast AMO warm/ENSO La Niña	-0.04 ft (Extremely Dry)	Н
	LOK Multi-Seasonal Net Inflow Forecast AMO warm/ENSO La Niña	1.90 ft (Normal)	М
WCAs	WCA 1: 3 Station Average (3 Station 1-7,1-8T, and 1-9 Average)	Above Line 1 (16.28 ft)	L
	WCA 2A: Site 2-17	Above Line 1 (11.99 ft)	L
	WCA-3A: 3 Station Average (3 Station 63, 64, and 65)	Above Line1 (9.55 ft)	L
LEC	Service Area 1	Year-Round Irrigation Rule in effect	L
	Service Area 2	Year-Round Irrigation Rule in effect	L
	Service Area 3	Year-Round Irrigation Rule in effect	М



Water Shortage Warnings



- Remain in effect for Indian Prairie Basins, Lake Istokpoga, and Lake Okeechobee Basins
 - Call for voluntary water conservation
 - Increased communication with water users, local government & public
- Lake Okeechobee: 0.36 feet above WSM Trigger Line (1/11/11)



Northern Indian Prairie Basin, Southern Indian Prairie & Lakeshore Perimeter





Pumping from Lake Okeechobee (G-207 and G-208) continues to meet demands of the **Seminole Tribe Brighton Reservation and Southern Indian Prairie Basin**



Preparation Activities: Emergency Operations Center

3

- Water Conditions Team
- Navigation
- Agriculture
- Nurseries
- Documentation
- STAs
- Ecological
- Environmental Enhancement
- Diversion & Impoundments
- **Enforcement & Compliance**
- **Golf Course Compliance**

- Regulatory & Permitting
- Variances
- Infrastructure (Temporary Forward Pumps
- Modeling Support & Analysis
- Water Supply Utilities
- Purchasing
- Finance
- Liaison
- Legal
 - **Citizen's Information Line**

Media



Preparation Activities: Temporary Forward Pumps





- Engineering activities complete
- ·1,400 cfs capacity

Contractor awaiting notification from SFWMD

Coordinate installation with growers



Preparation Activities: Stormwater Treatment Areas

- 3
- Goal Maintain functionality by maintaining dry season target water levels
- Water deliveries made to STAs 1-E, 1-W, and 2
- Anticipate water deliveries to STA 3 and 4 in near future
- Considering hydraulic constraints as lake level declines



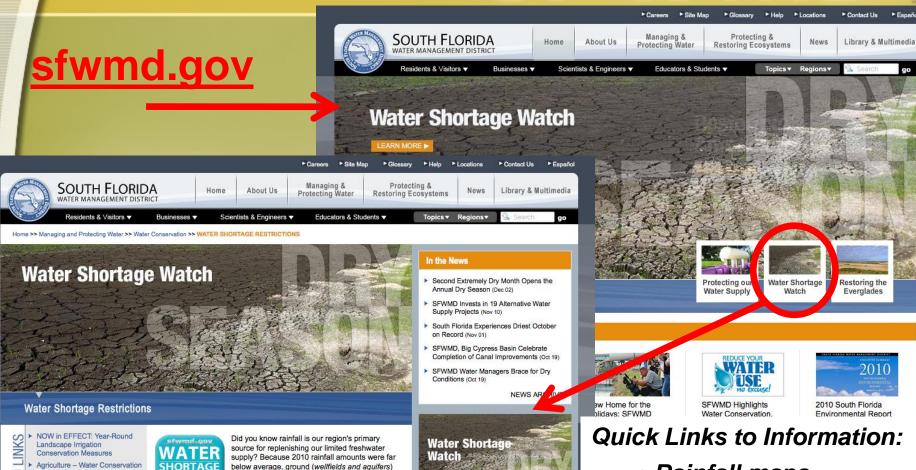
Preparation Activities: Communication & Outreach Activities

- **Media Advisories**
- **Everglades Protection District (Belle Glade) January 14, 2011**
- Joint PBC and Broward Water Resources Task Force – January 28, 2011
- Presentations to City & County Commissions Service Center Directors



Water Shortage Communication





Upcoming Events

Regulatory Peer Review Forum

Rain Barrel Workshops - by Miami-Dade

County Cooperative Extension Service

and surface (lakes, rivers and canals) water levels are low. Long-term weather forecasts for

2011 envision continuing below-average rainfall

least five months of the dry season still ahead,

Currently throughout the region, year-round landscape irrigation limits are in effect to better conserve South Florida's water resources. more »

By conserving the water you use on your landscape and in your home

or business now, you can help stave off mandatory or more severe

water conservation is increasingly critical.

water restrictions later.

leading to great strains on water supplies. With at

Wavs You Can Save Water

Current Weather and Water

Conditions

► Rainfall Maps

County and City Enforcement Contacts [PDF]

- Rainfall maps
- Water conditions
- Conservation
- · Water restrictions
- News releases

Preparation Activities: Upcoming Restrictions

- 3
- Lake Okeechobee Service Area authorized Executive Director to issue order when Lake level enters WSM band
- Landscape Irrigation
 - 3 days per week Equivalent to Phase I of existing rules
 - 2 days per week Equivalent to Phase II of existing rules

